MICROARRAY-BASED DIAGNOSIS OF PEDIATRIC HEARING IMPAIRMENT– CONSTRUCTION OF A DEAFNESS GENE CHIP

Abstract of the Disclosure

The present invention is related to diagnostic arrays comprising primers for various regions of candidate genes involved in hearing loss, specifically pediatric hearing loss. The invention further is directed to methods for diagnosing a cause or risk factor for hearing loss. In some embodiments, these methods include obtaining a sample from a patient; screening the sample for the presence or absence of alleles of at least 5 loci associated with a risk for hearing loss to obtain a result of the screening; and making a diagnosis based upon the result. The present invention is also directed to the amplification of genetic sequence from multiple or single exons for use in the screening of samples.

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